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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/810,113

03/25/2004

Peter Arthur Schade

2797P

8045

29141 7590 01/30/2008  
SAWYER LAW GROUP LLP  
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EXAMINER

SORRELL, ERON J

ART UNIT

PAPER NUMBER

2182

NOTIFICATION DATE

DELIVERY MODE

01/30/2008

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patent@sawyerlawgroup.com  
nikia@sawyerlawgroup.com

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/810,113		SCHADE, PETER ARTHUR	
	<b>Examiner</b>		<b>Art Unit</b>	
	Eron J. Sorrell		2182	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 November 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-6 and 12-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-6 and 12-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1,3-6, and 12-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Chang et al. (U.S. Patent No. 6,775,733 hereinafter "Chang").

3. Referring to claim 1 and 12, Chang teaches a device comprising:

a processor (see either of items 142 or 146 in figure 5);

and

a single USB interface (see item 104), the interface comprising a USB root hub host port coupled to a first USB bus (see item 132 in figure 5 connected to item 108 via a first USB bus); and

a USB peripheral port (see items 134 in figure 5) coupled to a second USB bus wherein the USB root hub host port and the USB peripheral port are defined using predetermined signals and wherein the USB port root hub port and the USB peripheral port are both active at the same time (Note ports 134 are connected to downstream devices, when data is read from these devices to the host the data is transferred from the downstream device, through the interface 104 to the host system, thus the ports are active at the same time. This data is transferred using the predetermined differential USB signals).

4. Referring to claims 3 and 4, Chang teaches two connected devices utilizing the single USB interface can have a peer-to-peer connection via the USB root hub host port and the USB peripheral port or a one-to-many relationship via either the USB root hub host port and/or the USB peripheral port (see figure 4 and lines 16-30 of column 3).

5. Referring to claim 5, Chang teaches a device incorporating the USB interface is able to communicate with a second USB device using only needs one USB port of the second device to

communicate via the single USB interface (see lines 24-35 of column 4).

6. Referring to claim 13, Chang teaches USB interface requires a connection to only one physical I/O port of a second device is and this physical I/O port can be either a USB host port or a USB peripheral port which is defined using the predetermined signals (see figure 4, note the interface can be connected to both a virtual root hub 108 (i.e. USB host port) and a device 136 (peripheral port)).

7. Referring to claims 6 and 14, Chang teaches the predetermined signals comprise host and peripheral differential data lines (see lines 32-39 of column 2, note these differential data lines are part of the USB specification and the devices taught by Change are USB devices).

#### ***Response to Arguments***

8. Applicant's arguments with respect to claims 1 and 12 have been considered but are moot in view of the new ground(s) of rejection.

**Conclusion**

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eron J. Sorrell whose telephone number is 571 272-4160. The examiner can normally be reached on Monday-Friday 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alford Kindred can be reached on 571-272-4037. The fax phone number for the

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Art Unit: 2182

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organization where this application or proceeding is assigned is  
571-273-8300.

Information regarding the status of an application may be  
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like assistance from a USPTO Customer Service Representative or  
access to the automated information system, call 800-786-9199  
(IN USA OR CANADA) or 571-272-1000.

EJS  
January 21, 2008



ALFORD KINDRED  
SUPERVISORY PATENT EXAMINER